

In The Claims:

Please amend the claims as set forth below.

1. (currently amended) An apparatus for movement for a lumbar support, comprising:

a flexible supporting element adapted to be coupled to a seat for movement relative thereto; and

driving means for automatically moving said flexible supporting element through an adjustment cycle that begins at a first selected position, then makes a first perceptible movement in a first direction to a second position, then makes a second perceptible movement in a second direction to a third position, then moves in said first direction again, said second and said third positions being at least about 11 millimeters apart;

wherein each of said movements is at a duration between 2 and 30 seconds.

2. (original) The apparatus for movement of a lumbar support of claim 1 wherein said first movement in said first direction and said second movement in said second direction are repeated in plurality of cycles.

3. (original) The apparatus for movement of a lumbar support of claim 2 wherein said plurality of cycles stop automatically after a pre-configured time interval.

4. (original) The apparatus for movement of a lumbar support of claim 1 wherein said movements are without pause.

5. (original) The apparatus for movement of a lumbar support of claim 1 wherein each of said movements are separated by a pause.

6. (original) The apparatus for movement of a lumbar support of claim 5 wherein each of said pauses are about three seconds.

7. (original) The apparatus for movement of a lumbar support of claim 1 wherein said first direction and said second direction are substantially opposite.

8-11. (canceled)

12-13. (withdrawn)

14. (original) The apparatus for movement of a lumbar support of claim 1 wherein said driving means includes a traction cable and said flexible supporting element is an arching pressure surface.

15. (original) The apparatus of claim 1 wherein said driving means include an electric motor and a control module, said electric motor coupled to said supporting element, said control module coupled to said electric motor and electrically connectable to a power source, said electric motor adapted to move said supporting element in said first direction when provided with an electric current of a first polarity and to move said supporting element in said supporting element in said second direction when provided with an electric current of a second polarity.

16. (original) The apparatus of claim 15 wherein said control module is adapted to automatically communicate a plurality of electric currents to said electric motor whereby said electric motor moves said supporting element through said adjustment cycle, said control module further including polarity switching means for providing a first polarity connection between said power source and said electric motor when said control module communicates said electric current of a first polarity to said electric motor and for providing a second polarity connection between said power source and said electric

motor when said control module communicates said electric current of a second polarity to said electric motor.

17. (canceled)

18. (currently amended) ~~The apparatus of claim 17 wherein~~ An apparatus for automatically moving a supporting element in a seat in a first direction and a second direction according to an adjustment cycle, said apparatus comprising:

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a driving assembly having an output movable in said first direction and said second direction, said output adapted to be connected to said supporting element in said seat;

a power source;

a current controller communicable with said power source for generating current for a pre-configured cycle time;

a switch for automatically establishing a first polarity connection and a second polarity connection between said current regulating means and said driving apparatus, said switch communicating a plurality of current flows from said current regulating means to said driving apparatus through said first polarity and second polarity connections whereby said driving apparatus moves said output in said first direction and said second direction according to said adjustment cycle;

said controller further includes a position indicator and a memory;;

said position indicator communicating with said driving assembly and said memory;;

said drive assembly defining a first position when said adjustment cycle is initiated;;

said controller defining a second and third positions relative to said first position;
said position indicator being adapted to communicate said first position of said drive assembly to said memory when said adjustment cycle is initiated;

said memory storing said first position;

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said position indicator being adapted to communicate a plurality of positions of said drive assembly to said controller;

said controller communicating to said switch said first polarity and said controller communicating to said drive assembly said current between said first position and said second position, then said controller communicating to said switch said second polarity and said controller communicating to said drive assembly said current between said second position and said third position, then said controller communicating to said switch said first polarity and said controller communicating to said drive assembly said current between said third position and said second position; and

said controller adapted to retrieve said initial position from memory and return said driving assembly to said first position when said adjustment cycle is cancelled.

19-24. (withdrawn)

25-35. (canceled)

36-37. (withdrawn)

38. (original) The apparatus for movement of a lumbar support of claim 1 wherein said driving means includes a traction cable and said flexible supporting element is an arching pressure surface.

39-40. (canceled)

41. (original) An apparatus for automatically moving a supporting element in a seat in a first direction and a second direction according to an adjustment cycle, said apparatus comprising:

a driving assembly comprising:

an archable support element;

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a traction actuator operatively engaged with said archable support element;

an output movable in said first direction and second direction, said output being in actuating engagement with said traction actuator;

a motor in driving engagement with said traction actuator;

a power source powering said motor;

a current controller communicable with said power source for generating current for a pre-configured cycle time;

a sensor that monitors the position of said support element, said sensor being in communication with said driving assembly and said current controller to stop said automatic moving in said first direction and said second direction according to said adjustment cycle;

whereby said output of said driving assembly engages said traction actuator to move said archable support element from a first position to a second position and from said second position through said first position to a third position and to repeat said movements between said second position and said third position until stopping said movements after said pre-configured cycle time.

42. (original) The apparatus of claim 41 further comprising:

a stall sensor in monitoring engagement with said motor and in communication with said driving assembly such that stalling of said motor at a mechanical limit of said archable support element ends a movement in either of said first direction or said second direction, switches from one of said first or second polarity to the other of said first or second polarity, and reinitiates current.

43. (original) An apparatus for movement of a lumbar support, comprising:

a flexible supporting element adapted to be coupled to a seat for movement relative thereto; and

a driver for automatically moving said flexible supporting element through an adjustment cycle that begins at a first position, then makes a first movement in a first direction to a second position, then makes a second movement in a second direction through said first position to a third position, then moves in said first direction again.

44-55. (withdrawn)